FAX NO. 303 966 2864

Rocky Flats Deficiency / Commitment Tracking System

PATR CMID

CAP Identification Form

Page: 1 of 1

Date: 10/21/1999 02:17 PM

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17日 (4日 1日)	IUA	. 1 55	JN

PATS Identification No:

1999-001691

Identification Date: 10/18/1999

Location(Bldg):

Specific(Room,etc):

Entry Date: 10/18/1999

Short Desc (Plan Title):

Plan No: 01

779 DEMOLITION PRE-MR FINDING ON OPERATIONS ORDER, 00-779-153

Detailed Desc (Plan):

combustible control inpections for the B779 Complex as delineated by OO-779-153 do not directly correspond to status of the facility. The procedure needs to be changed to reflect actual facility status and procedural activities

performed due to status.

Requirement: KH

Requirement ID: POLICY OR PROCEDURE

Requirement Desc: MAN-066-COOP-, Chapter 5.C

Audit/Assessment Title:

RMRS B779 Demolition Pre-MR

Ident Process Code(Origin): SELF Reference ID: FY00-008-RMRS

86811888

)ENTIFIER

Identifier Signature:

Signature Date:

10/18/1999

Emp#:

Ext

Org;

CPIR6100

SPONSIBLE MANAGER

Name:DUANE SNYDER

Responsible Manager's Signature:

Name:THOMAS DIETER

__ Deficiency Accepted

Deficiency Invalid

Signature Date: 10/21/99 Ext 5729 Org: **CPIR3200**

Incorrect Manager/Department

ARACTERIZATION

Significance Level: NR Generic Implications?

Category: D

Class:

Cause: Pracepure

Causal Factor:

Compensatory Measures:

TION PLAN TYPE

(Choose only one):

(1) Actions Taken:

(2) Actions to be Taken: Heurse OPS ORDER 00.779-163

Completion Date

Due Date: ///5 /99

(3) Complex Action required:

TBD Reason:

Plan Due Date:

IN MANAGER (if different than Responsible Manager)

Plan Manager's Signature:

Signature Date:

ame:

Emp#:

Ext

Org:

PONSIBLE MANAGER'S COORDINATOR

ame: JACOBS

Emp#

Ext 5/2/

org: CPIE32%

ADMIN RECCRD

TRN" Status

IA-A-000552 10/22/99

SIGNIFICANCE SCREEN

Significance of the deficiency is determined by estimating its impact, if not corrected, on: workers or public health & safety; the environment; protection of the site; planned or scheduled site activity; regulatory or customer compliance stature; or contract and performance incentive.

Instructions for completing the Significance Screen:

PATS Identification No. 1999-001691

1. Select and circle the consequences of occurrence of the deficiency from the table below.

779 CLOSURE PROJECT

CONSEQUENCES	DEFINITIONS
Catastrophic	Death; loss of entire system; loss of facility or plant; loss of SNM; offsite environmental damage; regulatory intervention with stoppage of work.
Critical	Permanent disability or health damage; onsite environmental damage; significant breach of security; loss of use of system or facility for ≥ 3 months; regulatory fines or punitive action within a program or operation; total loss of performance incentives.
Important	Injury requiring hospitalization or emergency room treatment; partial loss of use of system or facility; immediately detected and recoverable onsite environmental damage; regulatory attention heightened; compromise of classified material; impacts on performance incentives.
Minimal	Minor injury; minor system or process damage; environmental threat or minimal damage; noncompliance items with low potential of regulatory impact; security infractions; potential impact on performance incentives.

2. Select and circle the likelihood of recurrence of the deficiency, if not corrected, from the table below

LIKELIHOOD	DEFINITION
Probable (Within 1 year)	Condition exists or is expected to occur; barriers are expected to fail; same or similar failure likely to occur often during the life of a facility, operation, or activity.
Possible (Within 3 years)	Condition can be expected to exist, barriers can be expected to fail; similar failure can be expected - likely to occur several times in the life of a facility, operation, or activity.
Potential (Within 10 years)	Condition could exist; barriers could fail; similar failure could occur - likely to occur at least once in the life of a facility, operation, or activity.
improbable (> 10 years)	Condition could occur, but remote; barrier failure could occur, but remote; similar failure could occur, but remote - not likely to occur in the life of a facility, operation, or activity.

3. Using the likelihood and consequences selected from the charts above, determine from the chart below the significance of the deficiency and record it in the space provided below.

		CONSEC	QUENCES	
LUKELIHOOD	Catastrophic	Critical	Important	Minimal
Probable	н	н	Н	L_
Possible	н	H	L	NR
Potential	H	L	L	NR.
Iroprobable	L	NR	NR	NR

Significance	Tracking Requirements
High	SHALL be tracked in PATS
Low	SHALL be tracked in PATS or other approved tracking system as listed in Appendix 1
Minor (NR)	Optional, not required to be tracked (Non-Recordable); may be tracked at Management's
	discretion

4.	Record the significance of the deficiency in the space provided and in space 14 of the CAP Identification Form.
	Significance Level NR
5.	Forward the completed significance screen to CA/PATS, Building T130G.
6.	Refer to Appendix 6 for the corrective action elements required based on the significance level.
Rea	sponsible Manager/signature Man Market Date: 16/21/99



CAP IDENTIFICATION	PATS Identi	fication No.: .1999- oc	0/69/ Plan No.: 0/
Identification Date: /0 / /8 / 9 Gen	eral Location (Bldg.): B 779	Specific Location	
Short Description of Deficiency (Plan Title): Blank		E finding on OR	erations Order,
00-779-73 3.		·	
Detailed Description (as needed): Combustion	ble Control in spections	for the B779 Co	implex as
delineated by 00-779-153 of facility. The procedure New and procedural	do not directly corre	spond to state	is of the
Lucility The orgradure new	eds to be changed to	reflect actual t	facility 5 tatus
and procedural	performation ous activ	ilies performed a	due to status.
Requirement. MAP DOG - COOP, CA	apper sic.		
Audit/Assessment Title: PMPS B779		11 71 110 0	
Identification Process Code (Origin):	Reference Number: RM		MK3 Date: 101/8 1 99
Identifier Name: Duane 1. Snyder	Signature: Draw (Xugle	· · · · · · · · · · · · · · · · · · ·
Emp. No. Ext.: 5948	Org. Code.		
RESPONSIBLE MANAGER		154	Ora Cada
Responsible Manager Name: Tom Dies	ler Emp. No.:	Ext:	Org. Code:
Signature:			Date: / /
Deficiency Accepted	Deficiency Invalid	Incorrect Manag	
CHARACTERIZATION	NOTE: Characterization is automatical Completed prior to submitting this CAP		one unless all field s are
Price Anderson Amendments Act	Yes No		iber
Applicability			
Significance Level: (Circle One)	Class: (choose all that apply)	Safeguards	
High Low Minor Generic Implications	Environmental Health &		
Yes No	Administrative Criticalit		Fire Safety
165 140	VSS Operability Material	/Equip. Spec./Installation (evaluate as NCR)	The Salety
Cause Category: (choose only one)			
Procedures Communication	Work Environment	NTS Related	Yes No
Training Equipment	Personnel	WIPP Related	YesNo
Management Systems Design	Rad, or Haz, Material	-	Significance Level Only)
External Phenomena		\	
ACTION Action	on Plan Type (choose only one):		
Compensatory measures:	211 Flatt Type (chaces only one):		
(1) Actions Taken:			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
			Completion Date:
(2) Actions to be Taken:			
		Date of A	ctions to be taken:
(3) Corrective Action Plan Required:		Date of A	Plan Due Date:/_/
TBD reason:			
. 55 1040011.			
PLAN MANAGER (If different than	ı Responsible Manager)		
Plan Manager Name:		Signature:	Date: / /
Emp. No.:	Ext.:	8	Org. Code:
PATS ENTRY COORDINATOR		<u> </u>	
CAC Name:	Emp. No.:	Ext:	Org. Code
COMMENTS: "INP" Status			
		<u> </u>	
TIPPIB		1/2	
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PATR_DATA_VIEWER

Status Revision/Completion Form

Page: 1 of 10/28/99 09:49AM

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DEFICIENCY & ACTION REQUEST INFORMATION	Prefix: CINT
PATS Ident No.: 1999-001091 Ref ID No.: FY00-008-RMKS	Ident Process Cd/Origin: SELF
1 YFE OF CHANGE WA 1. Action Plan Due Date Change	M/A 2. Task Due Date Change M/A 4. Task Manager Change
<u>k/a</u> 3. Plan Manager Change Ma 6. Cancellation	X 6. Task Certificate of Completion
X 7. Plan Certificate of Completion	8. Other
FLAN INFORMATION	01.1 ODN
Plan No: 01	Status: OPN
Deficiency Description/Plan Title 779 DEMOLITION PRE-MR FINDING ON OPERATIONS ORD	158 OO.770-153
119 DEMOCRAÇÃO PARAMINA MADINA ON OPERATIONS ON	SEN, 00-119-100
دادم	1/1/20
Plan Due Dt: Revised Plan Due Dt: NA	Date all Corrective Actions Completed: 1/05/99
TASK INFORMATION	
Tank No.: 01	Status: OPN
Task Description: REVISE OPS ORDER 00-779-163	Status, Ot 14
	/ ,
Tauk Due Date: 11/15/1999 Revised Task Due Dt:	NA Date Task Completed: 11/05/92
Justification of Change or Completion Documentation Peause	T CLOCULES OFERATIONS ORDER-779-153
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Number:

OO-779-153

Revision:

Effective Date 10/26/99 Expiration Date: 02/29/00 1 of 36

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SUMMARY OF CHANGES:

- 1) Revised header to reflect Rev. 12 and new effective date 10/26/99.
- 2) Marked as INTERIM, will delete interim upon PRC approval of OO.

3) Page 2, Section 2.0, last sentence, changed Revision 10 to 11.

Page 5, Section 3.2, Step C, changed to read "Fuel packages (defined in Section 4.0) 4) SHALL be separated from each other by a minimum distance of 15 feet in size reduction rooms in Building 779; or they SHALL be separated from each other by a minimum of 8 feet in size reduction areas in other buildings."

Changed column in Appendix 1A page 13 to match new Step 3.2 C. 5)

Page 5, NOTE, changed reference to FHA-779-003, Rev. 0. Same in Reference section. 6)

Page 4, added new Step 3.1 Q. Changed Appendix 1B & Appendix 2 to reflect 7) Step 3.1 Q.

Page 8-9, Reworded NOTE & Steps [1] through [6] to allow the marking (N/A) on the 8) Appendices for rooms being demolition.

PRC changes:

- Reworded Step 3.1 Q "Storage of waste drums should be arranged such that a minimum 9) separation distance of 5 ft is maintained between waste drums and waste crates and/or any transient combustible materials stored in the same room or area. Changed Appendix 1B & Appendix 2 to reflect Step 3.1 Q.
- Moved expiration date out to 02/29/00. 10)
- Appendix 1A, revised column "ROOM" to reflect current status. 11)
- Appendix 1C, revised column "SCA Room or Duct/Plenum Area" to reflect current 12) status.



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4.0 DEFINITIONS

Fuel Packages. An amount of combustible materials that has the potential for generating a significant amount of heat and/or flames and requires special handling. The following are examples of a fuel package:

- A. Two full or empty wooden LLW crates (4 ft X 4 ft X 7 ft)
- B. One size reduction tent or one size reduction tent in conjunction with one crate containing combustible materials. The crate containing combustibles may be wood or metal and may be located next to or inside the tent.
- C. 50 ft of plastic material
- D. Five polyculylene drum liners

Any similar material of equivalent size, for example lumber or items made of wood containing the equivalent amount of wood as two full or empty wooden LLW crates or plastic materials with the equivalent volume of five polyethylene drum liners.

5.0 DIRECTIONS, INSTRUCTIONS, AND INFORMATION

NOTE: For each appendix, all rooms listed must be completely filled out, as the criteria listed in each appendix is unique. However, for rooms undergoing demolition, N/A may be entered into the appendix.

Fire Safety Officer or Designee

- [1] Weekly, inspect size reduction rooms to verify compliance with combustibles controls using Appendix 1A. The rooms listed may be marked N/A if there is no size reduction on-going. Rooms being used for size reduction may be added by the CCA.
- [2] Weekly, inspect secondary confinement areas and filter plenum areas to verify compliance with combustibles controls using Appendix 1B. The inspection may be N/A'd for rooms undergoing demolition.

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- Weekly, inspect OPERATIONALLY CLEAN areas to verify compliance with combustibles controls using Appendix 1C. The list of OPERATIONALLY CLEAN areas SHALL be derived from the OPERATIONALLY CLEAN Status Board in the CCA's office.
- Monthly, inspect the facility (i.e., secondary confinement areas, filter plenum areas, and balance of building 779) to verify compliance with combustible controls using Appendix 2. The inspection may be N/A's for rooms undergoing demolition.
- Weekly, inspect areas affected by sprinkler system deficiencies or impairments to verify compliance with combustibles controls using Appendix 3. The inspection may be N/A'd for rooms undergoing demolition.
- [6] Weekly, inspect areas affected by periphery containment barrier deficiencies to verify compliance with combastibles controls using Appendix 4. The inspection may be N/A'd for rooms undergoing demolition.

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10/26/99

12

779 CLUSTER DEACTIVATION OPERATIONS ORDER	
•	
CONCURRENCE	
/s/ M. Zachary	10/05/99
INDUSTRIAL HYGIENE & SAFETY	Date
/s/ J. Hamrick	10/12/99
TECHNICAL SUPPORT MANAGER	Date
/s/ R. Cronin	10/04/99
NUCLEAR SAFETY	Date
/s/ M. Starck	10/05/99
ENGINEERING	Date
N/A NUCLEAR MATERIALS SAFEGUARDS	Date
NUCLEAR MATERIALS SAFEGUARDS	Date
N/A TRAFFIC MANAGEMENT	Date
TRAFFIC MANAGEMENT	
/s/ T. Hergert	10/04/99
FIRE SAFETY OFFICER	Date
/s/ D. Tomecek	10/05/99
FIRE PROTECTION ENGINEERING	Date
JUANO.	19/24/99
PLANT REVIEW COMMITTEE	Date Date
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·	- '

779 CLUSTER DEACTIVATION OPERATIONS ORDER		Number: OO-779-153 Revision: 12 Effective Date 10/26/99 Expiration Date: 02/29/00 Page: 1 of 36
Category: □ Administrative ■	Technical	☐ Interim
Approved By:		Date:
Work Au	horization Manager	
☐ Convert to Procedure by]		N/A
	Date	Assigned Manager
NOTE: If this box is marked, the Assigned procedure is drafted, approved, an Order.	O	1
Required Reading Files: <u>CCAs</u> ,	WATM, and FSO	· · · · · · · · · · · · · · · · · · ·
	Indicate Addition	al Distribution
COMBUSTIBLE M FOR THE 779 CLUS		
NOTE This Operations Order contains Bainformation. Any changes made to the Technical Support Manager an Question (USQ) Evaluator.	this Operations Or	der SHALL be approved by
1.0 PURPOSE		
This Operations Order addresses the coperform baseline and decontamination Operations Order implements combust Basis for Interim Operation (BIO). The maintain previously analyzed combust activities.	and decommissioning the material controls on this Open controls in this Open control contr	ng (D&D) activities. This ls contained in the 779 Cluster perations Order are required to
	REVIEWED FO	OR CLASSIFICATION/UCNI
	BY:	
CONTROLLED COPY NO		

Number:

OO-779-153

Revision:

12

Effective Date 10/26/99 Expiration Date: 02/29/00

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2.0 SCOPE AND APPLICABILITY

This Operations Order applies to personnel involved in the storage, use, and handling of combustible materials. Preventive measures **SHALL** be taken to preclude fires within the 779 Cluster, including but <u>not</u> limited to the control of combustible material as low as reasonably achievable. This revision supersedes OO-779-153, Revision 11.

3.0 LIMITATIONS AND PRECAUTIONS

3.1 General Building Combustible Material Controls

NOTE: Restrictions for storing or staging wooden LLW crates on the East Dock or outside Building 779 are covered by 00-779-157, Inventory and Material Management Controls for Building 779 D&D Activities. (AC 5.7.3.1.b)

- A. Periodic (monthly) fire prevention inspections **SHALL** be conducted in accordance with the Health and Safety Practices Manual (HSP), 1-H07-HSP-31.06, Fire Prevention Inspections. (AC 5.7.2.1)
- B. Fire watches **SHALL** be conducted in accordance with 1-V60-HSP-34.06, Compensatory Measures and Fire Watches. (AC 5.7.2.2)
- C. Combustible materials **SHALL** be controlled in accordance with 1-X93-HSP-31.04, Controlling Introduction of Combustibles. (AC 5.7.2.3)

Partitions, furniture, bookcases, and shelves located in SCAs **SHALL** be constructed of noncombustible materials, unless approved and noted by Fire Protection Engineering (FPE).

- D. Areas used to store combustible consumable materials (e.g., cardboard boxes containing D&D materials, plastic sheeting, and tent material) **SHALL** meet the following requirements (Section 5.1 of 1-X93-HSP-31.04; AC 5.7.2.3):
 - Combustible consumable materials **SHALL** be stored in rows no more than 5 feet 6 inches high, and no more than 5 feet 6 inches wide.
 - The rows **SHALL NOT** be adjacent to more than one wall (the end of the rows may touch the walls on only one side of a room).
 - The rows **SHALL** be separated from other rows, the three nonadjacent walls, and electrical panels by a minimum of 3 feet separation.

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- E. Flammable liquids **SHALL** be stored in accordance with 1-H06-HSP-32.02, Flammable and Combustible Liquids in Storage Cabinets. This requirement is implemented by inspections conducted in accordance with PRO-390-779-SAF-INSP. (AC 5.7.2.4)
- F. Spark, heat, or flame-producing work SHALL be conducted in accordance with 1-W13-HSP-31.10, Hot Work. (AC 5.7.2.5)
- G. Noncombustible coatings SHALL be used for fixing radioactive contamination inside Zone I/IA enclosures, Zone I/IA/II ductwork, or filter plenums. Substitute coatings may be used if approved by FPE, Industrial Hygiene (IH), and Nuclear Safety. This requirement is implemented by the Integrated Work Control Program (IWCP). (AC 5.7.2.8)

Currently approved coatings, and their approved applications are:

- 3M FireDam Spray or 3M FireDam Spray over a flammable coating may be used for Zone I/IA enclosures, Zone I/IA/II ductwork, or filter plenums; and
- A-B-C® Asbestos Binding Compound may be used in size reduction areas (inside and outside containments) for fixing contamination on gloveboxes, tent materials, and protective clothing. This material may be used as a spot fixative for controlling contamination released by size reduction activities (e.g., opening flanges, cutting); and
- Encapsulation Technologies Glycerin Solutions (ETGS & ETGS2) may be used for "fogging" Zone I enclosures, Zone I/IA/II ductwork, filter plenums, or size reduction tents.
- H. Oxyacetylene and other flammable/explosive gases SHALL be in approved containers and **SHALL** meet the following restrictions. (AC 5.7.3.2)
 - a. Oxyacetylene and other flammable/explosive gases SHALL be analyzed and controlled on a case-by-case basis inside secondary confinement areas.
 - b. Oxyacetylene may be used in DUCT/PLENUM AREAS to cut and size reduce filter plenums if the following controls are implemented:
 - First and second stage HEPA filters **SHALL** be removed.
 - Plenum surfaces with TRU levels of contamination SHALL be coated with a fixative, except where necessary for cutting.
- I. Transient combustibles not needed for ongoing activities SHALL be managed to prevent unnecessary accumulation. (AC 5.7.3.3)

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- J. Storage of flammable liquids is prohibited in all storage or staging areas of TRU or TRU-mixed wastes. (AC 5.7.3.4)
- K. Unnecessary transient combustibles (not needed for an ongoing activities) SHALL NOT be stored in Room 127, Room 142, Building 729, or Building 782. (AC 5.7.3.5)
- L. Weekly inspections **SHALL** be conducted in secondary confinement areas (i.e., 779, 779-A, and 779-B) and filter plenum areas (i.e., Rms 127 and 142, Bldgs 729 and 782) to verify compliance with combustible controls. (AC 5.7.4.1)
- M. Monthly inspections **SHALL** be conducted on the balance of Building 779 to verify compliance with combustibles controls. (AC 5.7.4.2)
- N. No more than three wooden waste crates **SHALL** be located in any single room in the secondary confinement area. (AC 5.4.3.4 as modified by FPE Guidance)
- O. Periodic (monthly) inspections **SHALL** be conducted to visually check for potential shorts in and around electrical equipment located in waste storing and staging areas. This visual inspection includes looking at, but **NOT** touching, electrical cables, components, light fixtures, and electrical enclosures. (AC 5.10.2.4)
- P. Weekly inspections of OPERATIONALLY CLEAN areas, as designed by the CCA on Appendix 1C, **SHALL** be conducted to verify the following (AC 5.7.4.3):
 - No individual components (e.g., GBs, B-Boxes, Hoods or contaminated ductwork) are present
 - No radioactive waste is stored or staged in the AFFECTED AREA.
 - No unnecessary combustibles are present.
- Q. Storage of waste drums should be arranged such that a minimum separation distance of 5 ft is maintained between waste drums and waste crates and/or any transient combustible materials stored in the same room or area.



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3.2 Size Reduction Room Combustible Material Controls (AC 5.7.3.1.a)

NOTE: These controls ensure that combustible material inventories and configurations in size reduction rooms are consistent with the assumptions in the 779 Cluster Basis for Interim Operation. Additional guidance resulting from completion of FHA-779-003, Revision 0, Building 779 Complex Fire Hazards Analysis (FHA) or FPE reviews will be incorporated.

- A. No more than three wooden LLW crates **SHALL** be located in each size reduction room.
- B. No more than one wooden LLW crate located in a size reduction room **SHALL** contain a combustible item description code (IDC) (e.g., plastic, paper, or rubber)
- C. Fuel packages (defined in Section 4.0) **SHALL** be separated from each other by a minimum distance of 15 feet in size reduction rooms in Building 779; or they **SHALL** be separated from each other by a minimum of 8 feet in size reduction areas in other buildings.
- D. Size reduction rooms **SHALL** be arranged to provide reasonable separation between fuel packages, components staged for size reduction, and combustible supplies (e.g., plastic sheeting).
- E. Consumable supplies (e.g., plastic sheeting) and other transient combustibles that are not needed for immediate use **SHALL NOT** be stored in size reduction rooms.
- F. Each size reduction room **SHALL** contain at least 2 one-quart containers of magnesium oxide. One container **SHALL** be inside the size reduction tent. (DVT-005-99)
- G. Size reduction operations **SHALL** not be allowed in areas with sprinkler deficiencies or impairments. (FHA)

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3.3 <u>Combustible Material Controls for Areas with Permanent Sprinkler Deficiencies</u> (AC 5.7.2.6)

- A. Permanent sprinkler system deficiencies or impairments (e.g., spray pattern obstructions, false ceiling tiles removed, piping or sprinklers isolated/removed) SHALL be identified during preparation of work packages, fire prevention inspections, walkdowns, FHA reviews, and from FPE guidance. The deficiencies SHALL be listed on the Sprinkler Deficiency Status Board. Sprinkler impairments are managed in accordance with 1-N20-HSP-34.01, Fire Protection Systems Impairments and Deficiencies. The Sprinkler Deficiency Status Board, and FPE approval of the entries on this Status Board, constitutes the controlled and tracked listings of sprinkler system deficiencies or impairments (AC 5.7.2.6.a).
- B. The area affected by each permanent sprinkler system deficiency or impairment (area where combustible materials must be controlled in order to not challenge the sprinkler system) **SHALL** be identified and designated by floor or wall markings (AC 5.7.2.6.b).
- C. Weekly inspections **SHALL** be conducted to verify the following (AC 5.7.2.6.d):
 - Transient combustible materials **SHALL NOT** be stored in areas affected by permanent sprinkler system deficiencies or impairments.
 - Radioactive waste containers **SHALL NOT** be stored in areas affected by permanent sprinkler system deficiencies or impairments.
 - The inside surfaces of gloveboxes that are located in areas affected by permanent sprinkler system deficiencies or impairments **SHALL** be coated with a noncombustible fixative coating.

Weekly inspections **SHALL** use Appendix 3, in conjunction with the Sprinkler Deficiency Status Board. The list of deficiencies from the Status Board **SHALL** be written into or appended to Appendix 3.

- D. Ceiling tiles may be permanently removed (rendering the sprinklers INOPERABLE) provided that (AC 5.7.6.2.c):
 - Only combustibles necessary to perform the work during work activities **SHALL** be allowed in the AFFECTED AREA, and
 - The storage of radiological material and combustibles **SHALL** be prohibited in the AFFECTED AREA.

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3.4 Combustible Material Controls for Areas with Periphery Containment Barrier Deficiencies. (6.0 Design Features)

- A. Periphery containment barrier deficiencies (e.g., non fire-rated doors, inadequate wall construction, inadequate penetration seals) **SHALL** be identified during preparation of work packages, fire prevention inspections, walkdowns, FHA reviews, and from FPE guidance. The deficiencies **SHALL** be listed in Appendix 4.
- B. The area affected by each periphery containment deficiency (area where combustible materials must be controlled in order to not challenge the periphery containment barriers) **SHALL** be identified and designated by floor markings, or door or wall postings.
- C. Weekly inspections **SHALL** be conducted to verify the following:
 - Transient combustible materials **SHALL NOT** be stored in areas affected by periphery containment barrier deficiencies. (Fire Protection Engineering Guidance)
 - In storage/locker areas {i.e., Rm 120, Rm 163, Rm 119 (corridor)}, transient combustible materials **SHALL** be stored inside lockers. (Fire Protection Engineering Guidance)

Exception: Bump caps, hard hats, modesty clothing, and towels may be stored in bins, or fire-retardant treated racks, carts, as needed. Storage areas will be changed as necessary to support D&D activities.

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4.0 **DEFINITIONS**

<u>Fuel Packages</u>. An amount of combustible materials that has the potential for generating a significant amount of heat and/or flames and requires special handling. The following are examples of a fuel package:

- A. Two full or empty wooden LLW crates (4 ft X 4 ft X 7 ft)
- B. One size reduction tent or one size reduction tent in conjunction with one crate containing combustible materials. The crate containing combustibles may be wood or metal and may be located next to or inside the tent.
- C. 50 ft³ of plastic material
- D. Five polyethylene drum liners

Any similar material of equivalent size, for example lumber or items made of wood containing the equivalent amount of wood as two full or empty wooden LLW crates or plastic materials with the equivalent volume of five polyethylene drum liners.

5.0 DIRECTIONS, INSTRUCTIONS, AND INFORMATION

NOTE: For each appendix, all rooms listed must be completely filled out, as the criteria listed in each appendix is unique. However, for rooms undergoing demolition, N/A may be entered into the appendix.

Fire Safety Officer or Designee

- [1] Weekly, inspect size reduction rooms to verify compliance with combustibles controls using Appendix 1A. The rooms listed may be marked N/A if there is no size reduction on-going. Rooms being used for size reduction may be added by the CCA.
- Weekly, inspect secondary confinement areas and filter plenum areas to verify compliance with combustibles controls using Appendix 1B. The inspection may be N/A'd for rooms undergoing demolition.

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[3] Weekly, inspect OPERATIONALLY CLEAN areas to verify compliance with combustibles controls using Appendix 1C. The list of OPERATIONALLY CLEAN areas **SHALL** be derived from the OPERATIONALLY CLEAN Status Board in the CCA's office.

- [4] Monthly, inspect the facility (i.e., secondary confinement areas, filter plenum areas, and balance of building 779) to verify compliance with combustible controls using Appendix 2. The inspection may be N/A's for rooms undergoing demolition.
- [5] Weekly, inspect areas affected by sprinkler system deficiencies or impairments to verify compliance with combustibles controls using Appendix 3. The inspection may be N/A'd for rooms undergoing demolition.
- [6] Weekly, inspect areas affected by periphery containment barrier deficiencies to verify compliance with combustibles controls using Appendix 4. The inspection may be N/A'd for rooms undergoing demolition.

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6.0 POST-PERFORMANCE ACTIVITY

6.1 Required Actions

The CCA SHALL be immediately notified if any unsatisfactory condition is discovered with respect to these controls, and the condition SHALL be corrected by the close of next working day or as directed by FPE and/or the Fire Bureau in accordance with 1-H07-HSP-31.06.

6.2 **Disposition**

The following are Quality Assurance (QA) records generated by the performance of this Operations Order:

- Appendix 1A
- Appendix 1B
- Appendix 1C
- Appendix 2
- Appendix 3
- Appendix 4

Fire Safety Officer or Designee

- Check ($\sqrt{ }$) the appropriate box on the applicable appendices to indicate if the deficiencies have been identified and submitted in accordance with MAN-071-IWCP, Integrated Work Control Program Manual, if appropriate.
- [2] Document the performance of this Operations Order by signing on the applicable appendices.
- Forward the applicable appendices and associated Work Control forms to the CCA.

CCA

Check ($\sqrt{}$) YES or NO on the applicable appendices (except Appendix 1C) to indicate whether the combustible control requirements were met. Check ($\sqrt{}$) YES or NO on Appendix 1C to indicate whether the OPERATIONALLY CLEAN requirements were met.

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[5] IF the combustible control or "OPERATIONALLY CLEAN" requirements were NOT met, THEN:

- [A] Check ($\sqrt{}$) YES, NO, or N/A on the applicable appendices to indicate whether corrective actions in accordance with the Administrative Controls (AC) General Application, were initiated, in accordance with OO-779-163, TSR Compliance Program.
- Provide details in the Comments section.
- Document completion of this Operations Order by signing the applicable appendices and the Compliance Tracking Form.
- Disposition the applicable appendices in accordance with 1-V41-RM-001, [7] Records Management Guidance for Records Sources.
- Process the compliance Tracking Form in accordance with MAN-066-COOP, Site Conduct of Operations Manual.

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7.0 REFERENCES

DVT-005-99, Closure of Fire Hazards Analysis Recommendation

FHA-779-003, Revision 0, Building 779 Complex Fire Hazards Analysis

MAN-066-COOP, Site Conduct of Operations Manual

MAN-071-IWCP, Integrated Work Control Program Manual

OO-779-157, Inventory and Material Management Controls for Building 779 D&D Activities

OO-779-163, TSR Compliance Program

1-H06-HSP-32.02, Flammable and Combustible Liquids in Storage Cabinets

1-H07-HSP-31.06, Fire Prevention Inspections

1-V41-RM-001, Records Management Guidance for Records Sources

1-V60-HSP-34.06, Compensatory Measures and Fire Watches

1-W13-HSP-31.10, Hot Work

1-X93-HSP-31.04, Controlling Introduction of Combustibles

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APPENDIX 1A

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Weekly Size Reduction Room Combustible Control Checklist

Inspection Date:				Ву:		•				
ROOM	No more than 3 wooden LLW crates in each size reduction room		wo cra	more than 1 boden LLW ate contains bustible IDC	(def sep mi 15 for a roor	el packages fined in 4.0) parated by a inimum of ft in rooms r Bldg 779 and 8 ft in ms for other buildings	Components staged for size reduction and combustible supplies are arranged to provide reasonable separation from each other		No unnecessary transient combustible materials/supplies	
	Sat	3.2 A Unsat	Sat	3.2 B Unsat	Sat	3.2 C Unsat	Sat	3.2 D Unsat	Sat	3.2 E Unsat
142										



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Weekly Size Reduction Room Combustible Control Checklist

Inspection Date:	·		Ву:		
	ROOM	roon one-qu of ma with ins	size reduction n contains ≥ 2 uart containers gnesium oxide one container side the size duction tent 3.2 F Unsat	No size reduction operations in areas with sprinkler deficiencies or impairments 3.2 G Sat Unsat	
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779 CLUSTER DEACTIVATION Number: OO-779-153 **OPERATIONS ORDER** Revision: 12 Effective Date 10/26/99 Expiration Date: 02/29/00 Page: 16 of 36 **APPENDIX 1A** Page 3 of 3 6.2[1] Deficiencies identified and submitted in accordance with MAN-071-IWCP, if appropriate. No deficiencies 6.2[2] Completed By: Fire Safety Officer or Designee Print · Date Sign ☐ YES ☐ NO 6.2[4] Combustible control requirements were met? 6.2[5][A] If the combustible control requirements were <u>not</u> met, were corrective actions initiated? ☐ YES ☐ NO ☐ N/A Comments: 6.2[6] Reviewed By: CCA Print Date Sign



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APPENDIX 1B

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ispection Da					ву:							
Plenum Area or Room	No Combustible unnecessary transient combustible s stored		liq v	o flammable juids in areas vith TRU or FRU-mixed ste containers	wo crate	more than 3 oden LLW es stored in a ngle room	flam explo eva	cetylene & mable or sive gases luated if resent	> 5 ft should be maintained between waste drums and wast crates and/or any transient combustible materials stored in the same room, or area			
] 3	3.1 D		3.1 Ĵ		3.1 N		3.1 H	3	.1 Q
	ľ	I, K	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
105	Sat	Unsat	<u> </u>			21/4		27/4				
127 Plenum						N/A (Waste not		N/A				
Area						allowed)						
142						N/A		N/A				П
Plenum						(Waste not				· ·		, 1
Area						allowed)						
782						N/A (Waste not		N/A				
Plenum Area						allowed)						
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Plenum Area or Room	or unnecessary		cons ma	bustible umable terials operly ored	liqu wi Ti	flammable tids in areas th TRU or RU-mixed te containers	crate	nore than 3 oden LLW s stored in a ngle room	flar expl ev:	acetylene & nmable or osive gases aluated if present	mai betwo drums crate any com mater in the	should be intained een waste and waste and/or transient bustible ials stored same room r area
			3	.1 D		3.1 J		3.1 N		3.1 H	3	3.1 Q
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Plenum	No Combustib		hustible	No.	flammable	No m	ore than 3	Orv	acetylene &	> 5 ft should be		
Area or	unne	ecessary		umable		ids in areas		den LLW		nmable or	maintained	
		nsient	1	terials		th TRU or	1 .	stored in a	I	osive gases	between waste	
Room	coml	bustible	pro	perly	TI	RU-mixed	sin	gle room	ev	aluated if	ì	and waste
		S .	st	ored	wast	e containers			. 1	present	l .	transient
											1	bustible
									•		L .	ials stored same room
											01	area
				1.5		2.4.7		2 • • •		2 4 17	,	.1 Q
	3	1 I, K	Sat	.1 D Unsat	Sat	3.1 J Unsat	Sat	3.1 N Unsat	Sat	3.1 H Unsat	l .	Unsat
	Sat	Unsat	Sat	Ulisat	Sat	Olisat	Sat	Olisat	Sat	Onsat		0
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Plenum Area or Room	No unnecessary transient combustible s		cons ma	bustible umable terials operly ored	liqu wi Ti	flammable tids in areas th TRU or RU-mixed te containers	crate	nore than 3 oden LLW s stored in a ngle room	flan expl eva	acetylene & nmable or osive gases aluated if oresent	ma betw drum crat any con mater in the	t should be tintained veen waste s and waste tes and/or transient nbustible rials stored same room or area
			3	.1 D		3.1 J		3.1 N		3.1 H	3.1 Q	
•	3.1 Sat	I I, K Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat		Unsat
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779 CLUSTER DEACTIVATION Number: OO-779-153 **OPERATIONS ORDER** Revision: Effective Date 10/26/99 Expiration Date: 02/29/00 Page: 25 of 36 APPENDIX 1B Page 5 of 5 Weekly Secondary Confinement Area and Filter Plenum Area **Combustible Control Checklist** 6.2[1] Deficiencies identified and submitted in accordance with MAN-071-IWCP, if appropriate. No deficiencies 6.2[2] Completed By: Fire Safety Officer or Designee Print Date ☐ YES ☐ NO 6.2[4] Combustible control requirements were met? 6.2[5][A] If the combustible control requirements were <u>not</u> met, ☐ YES ☐ NO ☐ N/A were corrective actions initiated? 6.2[6] Reviewed By: CCA Print Sign Date

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APPENDIX 1C

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Weekly OPERATIONALLY CLEAN Area **Combustible Control Checklist**

spection	n Date:			By:			
	SCA Room or Duct/Plenum Area	1	lioactive waste red or staged	1	unnecessary nbustibles are present	(e.g.,	individual components GBs, B-Boxes, Hoods, or taminated ductwork) are present
			3.1 P	_	3.1 P		3.1.P
	B779 Rm 170	Sat	Unsat	Sat	Unsat	Sat	Unsat
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	B779 Rm 171						
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Weekly OPERATIONALLY CLEAN Area

	^	Combust	ible Control Check	dist	
Inspectio	n Date:		Ву:		
	SCA Room or Duct/Plenum Area	No radioactive waste is stored or staged	No unnecessary combustibles are present	No individual components (e.g., GBs, B-Boxes, Hoods, or contaminated ductwork) are present	
	11101	3.1 P	3.1 P	3.1.P	
	B779 Rm 163	Sat Unsa □	_	<u> </u>	
	B779 Rm 237				
	B779 Duct Chase				
	B779 Tower				
	B779 Rm 127				
6.2[2]	approp □ No def Completed F	iciencies			
			/	/	
	Fire Safety Off	icer or Designee Pri	int Si	ign Date	
6.2[4]	OPERATIO	NALLY CLEAN	requirements were n	met? □ YES □ NC)
6.2[5][/	•	RATIONALLY CI	LEAN" requirement actions initiated?	ts □ N/A □ YES □ NC)
Comme	ents:				
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	ROOM OR BLDG.	Inspected in accordance with HSP-31.06		co mat	ombustible onsumable erials stored properly	V insp	isually ected for otential ical shorts	mai betwo drums crates tra com materia the san	SHALL be intained een waste and waste and/or any ansient bustible als stored in ne room or area	furnit cases, SCAs	rtitions, ure, book- shelves in s are non- bustibles	
		1	3.1 A	g ,	3.1.D	ļ .	3.1 O	3	3.1 Q Unsat		3.1 C	
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	103A									1	N/A	
	103B									1	N/A	•
	104									1	N/A	1
	105.]	N/A	
	106									1	N/A	
	107]	N/A	
	108]	N/A	
	109									l	N/A]
	110									1	N/A	
	110A		. 🗆							l	N/A	
	111]	N/A	

N/A

N/A

N/A

113

114

115

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115A					N/A
116					N/A
116A					N/A
116B					N/A
117					N/A

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Date I	nspection	Don	e:		F	3y: _					
	ROOM OR BLDG.	acc	pected in cordance with SP-31.06	con mater	nbustible sumable ials stored operly	ins P	Visually pected for otential rical shorts	mai betw drums crates tra com mater in the	SHALL be intained een waste and waste and/or any ensient bustible ials stored same room	furn case SC	artitions, iture, book- s, shelves in As are non- nbustibles
.:			3.1 A		3.1.D		3.1 O	3	3.1 Q		3.1 C
		Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
	118				N/A						
	119				N/A						
	120				N/A						
	121										N/A
	121A/B										N/A
	122										N/A
	123				N/A						
	124				N/A						
	125				N/A						
	126				N/A						
	127				N/A						
	128				N/A						
	129				N/A		. 🗖				
	130				N/A						
	131				N/A						
	132				N/A						
	133				N/A						
	134				N/A						
	135				N/A						
	136				N/A						
	137				N/A						
	120		[""]		NI/A						

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ROOM OR BLDG. Inspected in accordance with HSP-31.06 Partitions, finispected for properly with properly with HSP-31.06 Partitions, finispected for properly with properl	Date In	spection	Done	e:		By:				_	
Sat Unsat Sat Sat Unsat Sat Sa		OR	aco	ordance with	consumable materials stored	ins	pected for ootential	mai betwo drums crates tra com mater in the	intained een waste and waste and/or any ansient bustible ials stored same room	furn case: SCA	iture, book- s, shelves in As are non-
139			ŧ		1				-		1
140 □ N/A □ <td></td> <td>120</td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td>Unsat</td> <td></td> <td>-</td>		120				 			Unsat		-
140A							<u>_</u> _				
140B										ļ	
141											
141A											
141B											
141C N/A		141A			N/A						
142		141B			N/A						
143		141C		. 🗆	N/A						
144		142			N/A						
145	Ì	143			N/A						
146	ļ	144			N/A						
146		145			N/A						
148		146			N/A						
150	· ·	148		П	N/A		П	П			
151	Ì	150	П	$\overline{\Box}$	N/A				<u> </u>		
152		151		$\overline{\Box}$	N/A		П				
154		152			N/A						
156		154			N/A			_=			
157		156						_=_			
159											
160A											
160A											

	DEACT ORDER	IVATION	Ī		Re Es	umber: evision fective xpiratio ige:	: Date	12 10/26	00/0	53
162			N/A	· [N/	A]	
							. *		_	
							3			
									•	
							•			

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Date In	nspection	Done	:		F	Зу: _. _					
	ROOM OR BLDG.	acco	ected in ordance with 2-31.06	co mat	ombustible onsumable erials stored properly	inst p	isually pected for otential rical shorts	mai betwee drums crates a tra com materi in the s	SHALL be ntained en waste and waste and/or any nsient bustible als stored ame room	furn case SC	artitions, iture, book- s, shelves in As are non- mbustibles
			.1 A	a .	3.1.D		3.1 0		.1 Q	_	3.1 C
	163	Sat	Unsat	Sat	Unsat N/A	Sat	Unsat		Unsat	Sat	Unsat
	163A		<u> </u>					Ц			
					N/A					- <u></u>	N/A
	164				N/A						
	165				N/A						N/A
	166				N/A						
	167				N/A						N/A
	167A				N/A						N/A
	170				N/A						
	171				N/A						
	172				N/A						
	173				N/A						
	201										N/A
	201A										N/A
-	201B										N/A
j	202										N/A
	202A										N/A
	203										N/A
	204										N/A
	204A						\overline{a}				N/A
,	204B									<u> </u>	N/A
	205										N/A
	206										N/A

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207					N/A
207A					N/A
207B	To				N/A



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MONTHLY COMBUSTIBLE CONTROL CHECKLIST

By: _____

ROOM OR BLDG.	accord HSI	ected in ance with P-31.06	co mate	mbustible nsumable erials stored oroperly	ins	Visually pected for potential crical shorts	ma betw drum crates tr con mater in the	SHALL be intained seen waste s and waste and/or any ansient anbustible rials stored same room or area	furn case SC	artitions, iture, book- s, shelves in As are non- mbustibles
	Sat 3	.1 A Unsat	Sat	3.1.D Unsat	5.4	3.1 O Unsat		3.1 Q : Unsat	C.4	3.1 C
207C	П	Ulisat	Sat	Unsat	Sat	Unsat		Olisat	Sat	Unsat N/A
208				<u></u>						N/A
209								<u> </u>		N/A
210	H	$\overline{}$			П	П				N/A
210A										N/A
211	 				П		$\overline{\Box}$			N/A
212			一	П	H					N/A
212A							$\overline{\sqcap}$	П		N/A
213							一			N/A
214										N/A
215				N/A						
216				N/A						
217				N/A						
218				N/A						
219				N/A						
220				N/A						
221				N/A						
221A .				N/A						
221B				N/A						
221C				N/A						
222				N/A						
222A		П		N/A						

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Date I	nspection	Don	e:		By:					
	ROOM OR BLDG.	acc	pected in ordance with P-31.06	Combustible consumable materials stored properly	ins _l p	isually pected for otential rical shorts	ma betw drum crates tr con materi	SHALL be intained seen waste s and waste and/or any ansient anbustible als stored in me room or area	furn case SC	artitions, iture, book- s, shelves in As are non- mbustibles
Ì			3.1 A	3.1.D		3.1 O		3.1 Q		3.1 C
	222	Sat	Unsat	Sat Unsat	Sat	Unsat		Unsat	Sat	Unsat
	223			N/A	<u> </u>					
	224			N/A				<u>_</u>		
	225			N/A						
	226			N/A						
	228			N/A						
	229			N/A						
	230			N/A						
	231			N/A						
	232			N/A						
	233			N/A						
	234			N/A						
	234A			N/A						
	234B			N/A						
	235			N/A						
	270		. 🗆	N/A						
	271			N/A						
	272			N/A						
	273			N/A						
	274			. N/A						
	275			N/A						
	277			N/A						

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MONTHLY COMBUSTIBLE CONTROL CHECKLIST

Date Inspection Done: _____ By: ____

ROOM OR BLDG.	acco v	ected in rdance vith 2-31.06	mat	ombustible onsumable erials stored properly	ins	Visually spected for potential trical shorts	m: bety drum crates ti coi mater	SHALL be aintained ween waste and waste and/or any ransient mbustible ials stored in me room or area	furn case SC	artitions, iture, book- s, shelves in As are non- mbustibles
	-	.1 A		3.1.D	l	3.1 O		3.1 Q		3.1 C
A-ANNEX	Sat	Unsat J/A	Sat	Unsat N/A	Sat	Unsat N/A	Sa	t Unsat	Sat	Unsat N/A
147		<u></u> П	-	N/A				N/A	П	IN/A
149			ļ	N/A						
			ļ				<u> </u>			
153	<u> </u>			N/A			<u> Ц</u>		4	
153A			ļ	N/A					<u> </u>	<u> </u>
153B				N/A						
155				N/A						
Bldg 782				N/A						N/A
Bldg 783										N/A
Bldg 727										N/A
Dock Area										N/A
780A										N/A
780B	П	П	П	П	П	П	П	Г		N/A

	TER DEACTIVATION ONS ORDER	Number: Revision: Effective Date Expiration Date Page:	
	APPENDIX 2 Page 8 of 8		
6.2[1]	Deficiencies identified and submitted in accorda appropriate.	nce with MAN-07	71-IWCP, if
	☐ No deficiencies		
6.2[2]	Completed By:		
		/	·
	Fire Safety Officer or Designee Print Sign		Date
6.2[4]	Combustible control requirements were met?	□ YE	ES 🗆 NO
6.2[5][A]	If the combustible control requirements were <u>not</u> met, were corrective actions initiated?	□ YES □ N	O □ N/A
Comments	÷		
6.2[6]	Reviewed By:		
	CCA Print Sign	I	Date

Number:

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APPENDIX 3

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Weekly Sprinkler Deficiency Area Combustible Control Checklist

Date Inspection Done	e:		Ву	/ :		•		
Areas Affected by Sprinkler Impairments	No combus located in affected permanent s deficient (designated or wall mar	areas by prinkler cies by floor kings)*	was sto	o radioactive ste containers ored in areas affected by permanent sprinkler leficiencies	glove are pern de	ide surfaces of eboxes located in eas affected by nanent sprinkler eficiencies are coated with encombustible fixative.	com o ma areas	o unnecessary bustible material r radiological iterial stored in were ceiling tiles e permanently removed.
	3.3 B Sat	Unsat	Sat	3.3 C Unsat	Sat	3.3 C Unsat		3.3 D
Rm 119, West End						Clisat	Sat	Unsat
Rm 142, S.E. FP405				<u>_</u>				<u>U</u>
Rm 273-277			<u> </u>				П	
Rm 216 (corridor)			<u> </u>					П
Rm 104A/104								
Rm 140B			H					
			늗					
, , , , , , , , , , , , , , , , , , , ,								
Rm 217 S.W. corner			一	П				
Rm 237				<u> </u>			一	
Rm 201/201A/201B								
Rm 122								
Rm 134								
Rm 135								
Rm 136								
Rm 138								
Rm 202/202A			Π.					
Rm 203								. 🗆
Rm 204/204A/204B								
Rm 205								
Rm 206								

Number: OO-779-153 Revision: 12 Effective Date 10/26/99 Expiration Date: O2/29/00 Page: 40 of 36									
APPENDIX 3 Page 2 of 3			N				Revision: Effective Da Expiration I	ate Date: (12 10/26/99 02/29/00
APPENDIX 3 Page 2 of 3	Rm 207/207A/207B/207C			<u></u>					
APPENDIX 3 Page 2 of 3 Weekly Sprinkler Deficiency Area Combustible Control Checklist Date Inspection Done: By:						Ц			
Page 2 of 3 Weekly Sprinkler Deficiency Area Combustible Control Checklist	Rm 208								
Areas Affected by Sprinkler Impairments affected by permanent sprinkler deficiencies (designated by floor or wall markings)* Sat	Date Inspection Done	C	eekly Sp	Page : rinklei ible Co	2 of 3 r Deficiency ontrol Chec	klist	1		
Areas Affected by Sprinkler Impairments affected by permanent sprinkler deficiencies (designated by floor or wall markings)* Sat	-								
Rm 209 Image: square control of the contr		located in affected permanent s deficien (designated	areas l by prinkler cies by floor	waste store aff pe sp	e containers ed in areas fected by rmanent orinkler	glovel area perma del	boxes located in as affected by anent sprinkler ficiencies are oated with acombustible	comb o ma areas	oustible material r radiological terial stored in were ceiling tiles e permanently
Rm 209 Image: square control of the contr		225			220				
Rm 209		I							3.3 D
Rm 214		Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
Rm 219	Rm 209								
Rm 223	Rm 214								
Rm 223	Rm 219							П	П
Rm 225	D 222	1 44		iШ					: فسيبا
Rm 271	Km 223	 							
Rm 229	·								
Rm 230	Rm 225								
Rm 231	Rm 225 Rm 271								
Rm 232	Rm 225 Rm 271 Rm 229								
Rm 233	Rm 225 Rm 271 Rm 229 Rm 230								
Rm 235	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231								
A-Annex	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232								
Rm 147	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233								
Rm 149 (A-Annex corridor) Image: Control of the control of th	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235								
(A-Annex corridor)	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235 A-Annex								
Rm 153/153A/153B	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235 A-Annex Rm 147								
Rm 155	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235 A-Annex Rm 147 Rm 149								
	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235 A-Annex Rm 147 Rm 149 (A-Annex corridor)								
	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235								
Land to the state of the state	Rm 225 Rm 271 Rm 229 Rm 230 Rm 231 Rm 232 Rm 233 Rm 235								



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6.2[1]	☐ Deficiencies identified and submitted in accordar appropriate.	nce with MAN-071-IWCP, if
	□ No deficiencies	
6.2[2]	Completed By:	
	Fire Safety Officer Print Sign	Date
6.2[4]	Combustible control requirements were met?	□ YES □ NO
6.2[5][A]	If the combustible control requirements were <u>not</u> met, were corrective actions initiated?	□ YES □ NO □ N/A
Comment	:	<u> </u>

779 CLUSTER DEACTIVATION OPERATIONS ORDER		ON		Number: Revision: Effective Date Expiration Date Page:	OO-779-153 12 10/26/99 2: 02/29/00 42 of 36	
6.2[6]	Reviewed By:					
	CCA	Print	Sign		Date	
				•		
					•	
					,	



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APPENDIX 4

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Weekly Periphery Containment Deficiency Area Combustible Control Checklist

Areas Affected by Periphery Containment Deficiencies	No combustibles located in areas affected by periphery containment deficiencies (designated by floor markings, door postings, or wall postings) 3.4 B		In storage/locker areas (i.e., Rm 120, Rm 163), all combustibles inside lockers. Exception: Bump caps may be stored on hangers. 3.4 C		
	Sat	Unsat	Sat		Unsat
Area around 779 airlock doors at east end of Hall 119 (Rm 121B, Rm 120, and hall up to Col. 7)					
Area around 779-A airlock doors at east end of Hall 149 (Rm 163 and hall up to Col. 7)					
Hall 237 leading to 779-A				N/A	
				,	
·					

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Weekly Periphery Containment Deficiency Area Combustible Control Checklist

6.2[1]		Deficiencies i appropriate.	dentified and s	submitted in	accordance with	MAN-071-IWCP,	if
		No deficienci	es				
6.2[2]	Com	pleted By:					
				/		/	
	Fire S	afety Officer or I	Designee Print	Sign		Date	
6.2[4]	Com	bustible contro	l requirements	were met?		☐ YES ☐ NO	0
6.2[5][A]		combustible corrective acti	_	ments were <u>ı</u>	not met,	es 🗖 no 🗆 n/	'A
Comments	s:		·				
<u> </u>					· · · · · · · · · · · · · · · · · · ·		
		·					
			-	· .			
6.2[6]	Revie	ewed By:					
				/		/	•
•	CCA		Print	Sign		Date	



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CONCURRENCE

, /s/ M. Zachary	10/05/99
INDUSTRIAL HYGIENE & SAFETY	Date
/s/ J. Hamrick	10/12/99
TECHNICAL SUPPORT MANAGER	Date
/s/ R. Cronin	10/04/99
NUCLEAR SAFETY	Date
THE CELETIC STATE IT	Date
/s/ M. Starck	10/05/99
ENGINEERING	Date
N/A	
NUCLEAR MATERIALS SAFEGUARDS	Date
NUCLEAR MATERIALS SAFEGUARDS	Date
NUCLEAR MATERIALS SAFEGUARDS N/A	
NUCLEAR MATERIALS SAFEGUARDS	Date Date
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT	Date
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT /s/ T. Hergert	Date 10/04/99
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT	Date
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT /s/ T. Hergert FIRE SAFETY OFFICER	Date 10/04/99 Date
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT /s/ T. Hergert FIRE SAFETY OFFICER /s/ D. Tomecek	Date 10/04/99
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT /s/ T. Hergert FIRE SAFETY OFFICER	Date 10/04/99 Date 10/05/99
NUCLEAR MATERIALS SAFEGUARDS N/A TRAFFIC MANAGEMENT /s/ T. Hergert FIRE SAFETY OFFICER /s/ D. Tomecek	Date 10/04/99 Date 10/05/99

PATR_CMID

Rocky Flats Deficiency / Commitment Tracking System CAP Identification Form

Page: 1 of 1 Date: 10/19/1999 07:15 AM

			· · · · · · · · · · · · · · · · · · ·	
IDENTIFICATION	PATS Identification No: Plan No: 01	1999-001691		
Identification Date: 10/1 Location(Bldg): 779	8/1999 Specific(Room,	etc)	Entry Date: 10/18/1999	
Short Desc (Plan Title):	779 DEMOLITION PRE-MR FINDING	•	PDER 00-779-153	
Detailed Desc (Plan):	combustible control inpections for t	he B779 Complex as	delineated by OO-779-153 do not directly correspond to it to reflect actual facility status and procedural activities	
Requirement: KH Requirement Desc: M/	Requirement ID: POLIGAN-066-COOP-, Chapter 5.C	CY OR PROCEDURE		
Audit/Assessment Title:	RMRS B779 Demolition Pre-MR			
Ident Process Code(Ori	gin): SELF			
Reference ID: FY00-00)8-RMRS			
IDENTIFIER			Signature Date: 10/18/1999	-
Identifier Signature: Name:DUANE SNYD	ER	Emp #:	Signature Date: 10/18/1999 Ext: Org: CPIR6100	
	 -	,p		
RESPONSIBLE MANA	AGER			_
Responsible Manager's	Signatura:		Signature Date: 10/20/99	
Name:THOMAS DIETER	- - , , , , , , , , , , , , , , , , , ,	Emp #:	Ext: Org: CPIR3200	
Deficiency Acc		ncy Invalid	Incorrect Manager/Department	
CHARACTERIZATION	· · · · · · · · · · · · · · · · · · ·			_
Significance Level: ##1	71 (Class: Hea	Ath & Safely	
0	_			
Cause: <u>lou</u> dures	Causal Factor:			
Compensatory Measures	5 :			
ACTION PLAN TYPE	(Choose only one):		a 1	_
(1) Actions Taken:			Completion Date	
(2) Actions to be T	aken: Revise 00-779-1	153	Due Date: 11/5/99	
(3) Complex Action			Plan Due Date:	
TBD Reason:	. · ·			
				_
PLAN MANAGER (If	different than Responsible Mar	nager)		
Plan Manager's Si	gnature:	·	Signature Date: 10/14/99	
Name: UC Hamr	ick/	Emp #:	Signature Date: 10/19/99 Ext: 6812 Org: 779 Closure	
				•
RESPONSIBLE MANA	AGER'S COORDINATOR		ta en transcription de la company de la comp	_
Name:		Emp #:	Ext: Org:	
COMMENTS: //	a stagistic	1.1. +:	, C+ 1	_
CN	aracterization is	Mon malion	- Chiral	





SIGNIFICANCE SCREEN

Significance of the deficiency is determined by estimating its impact, if not corrected, on: workers or public health & safety; the environment; protection of the site; planned or scheduled site activity; regulatory or customer compliance stature; or contract and performance incentive.

Instructions for completing the Significance Screen:

PATS Identification No. 1999 - 00/691

1. Select and circle the consequences of occurrence of the deficiency from the table below.

CONSEQUENCES	DEFINITIONS
Catastrophic	Death; loss of entire system; loss of facility or plant; loss of SNM; offsite environmental damage; regulatory intervention with stoppage of work.
Critical	Permanent disability or health damage; onsite environmental damage; significant breach of security; loss of use of system or facility for ≥ 3 months; regulatory fines or punitive action within a program or operation; total loss of performance incentives.
Important	Injury requiring hospitalization or emergency room treatment; partial loss of use of system or facility; immediately detected and recoverable onsite environmental damage; regulatory attention heightened; compromise of classified material; impacts on performance incentives.
Minimal	Minor injury; minor system or process damage; environmental threat or minimal damage; noncompliance items with low potential of regulatory impact; security infractions; potential impact on performance incentives.

2. Select and circle the likelihood of recurrence of the deficiency, if not corrected, from the table below.

LIKELIHOOD	DEFINITION
Probable (Within 1 year)	Condition exists or is expected to occur; barriers are expected to fail; same or similar failure likely to occur often during the life of a facility, operation, or activity.
Possible (Within 3 years)	Condition can be expected to exist; barriers can be expected to fail; similar failure can be expected - likely to occur several times in the life of a facility, operation, or activity.
Potential (Within 10 years)	Condition could exist; barriers could fail; similar failure could occur - likely to occur at least once in the life of a facility, operation, or activity.
Improbable (> 10 years)	Condition could occur, but remote; barrier failure could occur, but remote; similar failure could occur, but remote - not likely to occur in the life of a facility, operation, or activity.

3. Using the likelihood and consequences selected from the charts above, determine from the chart below the significance of the deficiency and record it in the space provided below.

	CONSEQUENCES				
LIKELIHOOD	Catastrophic	Critical	Important	Minimal	
Probable	Н	Н	Н	L	
Possible	Н	Н	L	(NR)	
Potential	Н	L	L	NR	
Improbable	L	NR	NR	NR	

Significance	Tracking Requirements
High	SHALL be tracked in PATS
Low	SHALL be tracked in PATS or other approved tracking system as listed in Appendix 1
Minor (NR)	Optional, not required to be tracked (Non-Recordable); may be tracked at Management's discretion

4.	Record the significance of the deficiency in the space provided and in space 14 of the CAP Identification Form
	Significance Level Minor (NR)

- 5. Forward the completed significance screen to CA/PATS, Building T130G.
- 6. Refer to Appendix 6 for the corrective action elements required based on the significance level.

Responsible Manager/signature	for TU Dictor	Date:_	10/19/99	
JCHAM12	Į.		1 1	



APPENDIX B

Screen Number:

PAAA APPLICABILITY SCREEN

Reference Data:	Screen Number:	NA		
Issue Date and Time: /0/19/99	Issue Location:	779 Chu	ster Closure	
Issue Area of Concern: Management Review Finding	Issue Source:	RMRS	Pre-Managem	unt Rovice
Occurrence Report No.: NA	Other Reference No.:	NA	J	
	PATS:	1999-0	001691	
Issue Description:		V		
Applicability Screen:			Yes	No
A. Did this issue occur in a nuclear facility or involve a nuclea	r activity?			
B. Does the issue represent a potential noncompliance with a N Rule Implementation Plan Requirement? (See Appendix C for		Nuclear Sat	fety	
Rule/IP Reference:				
C. If the issue is non-nuclear, should it be evaluated for potent	ial affect on a nuclear f	acility or ac	ctivity?	V
If Yes, Reason:				
If the answer to A.&B. or C. is "Yes", the issue Shall be tracked evaluation completed for NTS reportability. (see Appendix D)		minor nonc	compliance and ar	1
If the answer to A.&B. or C. is "No", end the screening evalual Screened by:	tion process. Date: //	26/99		



APPENDIX C

GUIDANCE TO DETERMINE POTENTIAL APPLICABILITY AS A PRICE-ANDERSON NUCLEAR SAFETY REQUIREMENT NONCOMPLIANCE

PA Nuclear Safety Requirements

1)	Nuclear	Safety	Rules	
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2) DOE-approved RFETS Programs for Nuclear Safety Rule requirements

3) DOE-approved Implementation Plans for RFETS Nuclear Safety Rules

4) I	OE-issued	Comp.	liance	Order
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5) TSR's (RFETS)

6) OSR's (RFETS)

Guidance Question
DOES THE ISSUE:

DOES THE ISSUE;	Yes	No
Violate a specific requirement of a PA Rule?		V
Involve a missed commitment for a specific PA Rule?		V
Involve a Radiological event with personnel exposures, Radiological contamination, or radiological release?		レ
Involve a failure to comply with an existing procedure, or work package in nuclear activity, or facility?		V
Involve inadequate programs or procedures used in nuclear facilities or nuclear activities?		
Involve a failure to comply with the authorization basis or MAL requirements of a nuclear activity?		レ
Involve a failure to comply with defined requirements in Activity Based Planning for a nuclear activity?		
Involve a failure to maintain the safety envelope of a nuclear facility or a nuclear activity?		
Involve a deficiency with personnel qualification and training for performing a nuclear activity?		[
Involve a design deficiency of System Category 1,2,or3, SSC's.?		
Involve a failure to properly procure equipment designed for System Category 1,2, or 3 SSC's?		<u></u>
Involve a failure to properly inspect or test System Category 1,2, or 3 equipment?		
Involve a failure to implement a corrective action process for noncompliance in a nuclear activity?		
Involve a failure to implement a document and records process for nuclear activities?		<u>~</u>
Involve a failure to implement and maintain a Quality Assurance program for nuclear activities?		.
Involve Inadequate management or independent assessments with regard to nuclear activities?		
Involve a reprisal of an employees protected by the DOE employee protection program?		/

If any of the questions are answered "Yes," THEN: enter "Yes" on Appendix B, Question B.

APPENDIX D Page 1 of 3

Screen Number:

PAAA ISSUE EVALUATION

Reference Data:	Screen Number:		
Issue Date and Time: /0/18	Issue Location: Screen Number: NA Issue Location: S734 Issue Source: Manager NA Other Reference No.: NA PATS: 1999	Cluster	
Issue Area of Concern: Wansa	engent Revited Finders Issue Source: Manage	ment Revol	w for Am I
Occurrence Report No.:	Issue Source: Manager NA Other Reference No.:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- on winger
•	PATS: 1999-	001691	
Nuclear Safety Rule & Section:		<i>,,,,,</i>	
Issue Description:			
Combastible contra	l inspections as defineated in OD-	179-153	
do not directly	correspond to faciti facility, Some	n smel	s lenger
exist & procedure	does not explicitly state to cease	o mople	on
when demolition	correspond to facility some is does not explicitly shoke to cease occurs.		
Significance Evaluation:			
Occurrence Report Category Criter	ria	Yes	No
Did the issue cause or contribute to an event do (Circle Applicable Subgroup)	ocumented in an Unusual Occurrence Report as designated below?	,	V
Nature of Occurrence	Subgroup		
1. Facility Condition	A. Nuclear Criticality Safety		
	B. Fires/Explosions	•	
	C. Safety Status Degradation		ŀ
	D. Loss of Control of Radioactive Material Contamin	ation	
	E. Vital/System Component Degradation		
	F. Violation of/or Inadequate Procedures		
	G. Unsatisfactory Sureveillance/Inspections		
	H. Operations		
2. Environmental	A. Radionuclide Releases		
	C. Hazardous Material contamination		
4. Personal Radiation Exposure	A. Personnel Radiation Exposure		
	B. Personnel Contamination		
Administrative Action Failure Crite	wio.	Yes	No
Administrative Action Failure Crite	71 (A		
Does the issue include a failure to activate RFI	ETS emergency action plan as the result of a noncompliance issue?		
Does the issue include a failure to complete a s	significant action as identified in a DOE approved PAAA IP?		V
Does the issue include a failure to meet a Com	pliance Order?		V
Does the issue include a failure to identify or r	eport to DOE an Unreviewed Safety Question (USQ)?		V



Reference Data:

APPENDIX D

Page 2 of 3

PAAA ISSUE EVALUATION

Significance Evaluation (continued)

Programmatic or Management Deficiency Criteria	Yes	No
Has the issue or a similar issue continued to occur, indicating the corrective action, including the root cause, has not been effective? i.e.: - Similar Nuclear Safety Rule noncompliances within the last 2 years? - If so, were there corrective actions intended to fix the problem, but did not prevent the last occurrence? - Corrective actions that were identified but never implemented? - Lack of adequate corrective actions? - Failed to perform self-assessments on the implemented corrective actions for adequacy? - failure to perform or lack of an adequate root cause analysis on a previous issue?		
Have several minor, related but not identical events/issues occurred, indicating a common breakdown in a program or area which contributed to a potential noncompliance? - The issue is associated with multiple minor, related, but not identical Nuclear safety Rule noncompliances within last 2 years.		V
Have multiple control failures within the boundaries of a single occurrence occurred indicating a common breakdown in a program or area of a program? - Did the Nuclear Safety Rule noncompliance happened at another facility within RFETS or at another complex facility and involve a lack of Lessons Learned Implementation?		
Did the potential noncompliance involve a significant breakdown in management processes or actions? - Does the issue involve a lack of recognition or potential significance of Nuclear Safety Rule noncompliance or appropriate corrective action and followup on the part of management?		
Did the issue occur as the result of a willfull intentional act? - Does the issue involve a deliberate violation of a program, procedure, or formal work instruction used to satisfy a Nuclear Safety Rule requirement?		[7]
 Did the issue involve a misrepresentation (concealed facts, falsification of records/reports, or intentional reporting of inaccurate or incomplete information)? Does the issue invole intentional concealing of facts to avoid identifying a Nuclear Safety Rule noncompliance? Does the issue involve falsification of records or reports associated with an Nuclear Safety Rule noncompliance? Does the issue involve reporting inaccurate or incomplete information for an NSR noncompliance in PATS? 		V
Has Senior Management determined this issue to be Significant?		
Has DOE Management indicated that they believe this issue to be Significant?		

If any of the above questions are answered "YES" the noncompliance Should be considered NTS reportable and recommended for reporting on the DOE Noncompliance Tracking System (NTS). A justification SHALL be documented describing the logic supporting the recommendation to report or not report.



APPENDIX D Page 3 of 3

PAAA ISSUE EVALUATION

Recommendation on Re	portability				Ye	:S	No
Should the issue be evaluated b	pe reported?						V
Recommendation Justific	ation:	mser Ja	Bue then	Allesery	and Sc	nec	the
the proceduce CCAs conduct they had the Evaluated by: [Print Si	the surverlance helded tools	to insur	strus be	4 3 apprope	to fee bunk	it by	es of
Evaluated by: (Print/Si	Hamnek John	4		1 .		Date:	10/19/99
Evaluator's Mgr.: (Print/Si	DIEIER / CHO	2	Org/Contractor:	779 cusuas	LARS	Date:	12/24/99
PA Programs Review:	(D: / C:			- -		Date:	
PA Steering Committee Review	(Print/ Sign) v (Chair): (Print/ Sign)					Date:	
Final Disposition							
Re	port to DOE on NTS			Trac	k as a Minor N	oncomp	liance
Approval to Report					(N/A	if Not 2	Applicable)
K-H CEO/COO:	(Print/ Sign)		····		- .	Date:	
SSOC President:	(Print/ Sign)				_	Date:	
RMRS President:					_	Date:	
DCI General Manager:	(Print/ Sign)					Date:	
WSLLC General Manager:	(Print/ Sign)				_	Date:	-

Date:

(Print/ Sign)